Title (en)
DATA TRANSFER SYSTEM AND TRANSFER METHOD

Title (de)
DATENÜBERTRAGUNGSSYSTEM UND ÜBERTRAGUNGSVERFAHREN

Title (fr)
SYSTÈME DE TRANSFERT DE DONNÉES ET PROCÉDÉ DE TRANSFERT

Publication
EP 3565176 A1 20191106 (EN)

Application
EP 19167500 A 20190405

Priority
JP 2018088104 A 20180501

Abstract (en)
To securely realize updating of a key shared between an apparatus on a transmission side and an apparatus on a reception side. A second apparatus encrypts a new shared key by an encryption processing unit, issues a signature for the encrypted new shared key from a signature processing unit, and transmits the signature and the encrypted new shared key to a first apparatus . When a signature processing unit fails in verifying the signature, the first apparatus performs control to prohibit at least one of processing executed after reception of the encrypted new shared key and required to store the new shared key into a storage unit.

IPC 8 full level
H04L 9/08 (2006.01); **H04L 9/32** (2006.01)

CPC (source: CN EP KR US)
G06F 21/602 (2013.01 - US); **H04L 1/0041** (2013.01 - US); **H04L 9/0819** (2013.01 - CN US); **H04L 9/0822** (2013.01 - EP); **H04L 9/0825** (2013.01 - CN); **H04L 9/085** (2013.01 - KR); **H04L 9/0869** (2013.01 - CN KR US); **H04L 9/0877** (2013.01 - KR); **H04L 9/0891** (2013.01 - CN KR); **H04L 9/0894** (2013.01 - CN KR US); **H04L 9/3247** (2013.01 - CN EP KR US); G06F 7/582 (2013.01 - US)

Citation (applicant)
- JP 2011004176 A 20110106 - KDDI CORP
- US 2011145601 A1 20110616 - IHLE MARKUS [DE], et al

Citation (search report)
- [X] US 2018115558 A1 20180426 - COTTA BRYAN [US]
- [X] WO 2016095152 A1 20160623 - NOKIA TECHNOLOGIES OY [FI], et al
- [X] US 2017187524 A1 20170629 - FURUKAWA JUN [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3565176 A1 20191106; CN 110430057 A 20191108; JP 2019195116 A 20191107; KR 20190126242 A 20191111; US 11290257 B2 20220329; US 2019342081 A1 20191107

DOCDB simple family (application)
EP 19167500 A 20190405; CN 201910334715 A 20190424; JP 2018088104 A 20180501; KR 20190047712 A 20190424; US 201916380621 A 20190410